

**I. AMENDMENTS TO THE SPECIFICATION:**

Kindly amend the Substitute Specification filed on January 14, 2009 as follows:

1. Kindly replace Table 13 on page 69 with the following new Table 13 as follows:

[Table 13]

Copper Alloy		No. Type	Average Grain Diameter ( $\mu\text{m}$ )	Machinability				Tensile Strength (N/mm <sup>2</sup> )	Yield Strength (N/mm <sup>2</sup> )	Elongation (%)	Fatigue Strength (N/mm <sup>2</sup> )
				Cutting type		Cutting main stress (N)					
				80m/min	160m/min	80m/min	160m/min				
Embodiment											
1	A		85								
2	A		40								
3	A		25	⊙	○			532	245	44	253
4	A		15	⊙	○			535	268	45	258
5	A		25	⊙	○			523	256	44	254
6	A		30	⊙	○						
7	A		55					492	219	42	
8	A		90								
9	A		40					498	236	30	
10	A		25	⊙	○						
11	A		20								
12	A		65								
13	A		80								
14	A		45	○	△		122	133			
15	A		65					485	206	39	
16	A		70								
17	A		30								
18	A		20	⊙	○		115	127			
19	A		20	⊙	○		111	118			
20	A		20	⊙	○		110	118			
21	A		20	⊙	⊗		110	117			
22	A		20	⊙	⊗		109	116			
23	A		20	⊙	⊗		108	114	266	43	254



3. Kindly replace Table 15 on page 71 with the following new Table 15 as follows:

[Table 15]

Copper Alloy		No. Type	Average Grain Diameter ( $\mu\text{m}$ )	Machinability				Tensile Strength (N/mm <sup>2</sup> )	Yield Strength (N/mm <sup>2</sup> )	Elongation (%)	Fatigue strength (N/mm <sup>2</sup> )
				Cutting type		Cutting main stress (N)					
				80m/min	160m/min	80m/min	160m/min				
Embodiment											
47	B		15	◎	○	115	128	720	640	17	336
48	B		15	◎	○	116	128	735	655	15	
49	B		150					698	599	14	
50	B		25	○	○	119	134	705	613	19	
51	B		15	◎	◎	110	117	715	632	16	
52	B		15	◎	○	117	129	730	651	15	
53	C		35					501	234	30	
54	C		20					524	262	32	
55	C		15					534	278	34	
56	C		25					515	250	33	
57	C		80					468	203	28	
58	C		80					546	245	27	
59	C		15					526	257	32	
60	C		25					522	252	40	
61	C		25								
62	C		15					521	250	33	
63	C		15								
64	C		20					525	255	32	
65	C		15								
66	C		20								
67	C		15					521	250	31	
68	C		20								
69	C		70								
70	C		20								

4. Kindly replace Table 16 on page 72 with the following new Table 16 as follows:

[Table 16]

Copper Alloy		Average Grain Diameter ( $\mu\text{m}$ )	Machinability				Tensile Strength (N/mm <sup>2</sup> )	Yield Strength (N/mm <sup>2</sup> )	Elongation (%)	Fatigue Strength (N/mm <sup>2</sup> )
No.	Type		Cutting type		Cutting main stress (N)					
			80m/min	160m/min	80m/min	160m/min				
	71	C	30				488	235	34	
	72	C	20				528	289	32	
	73	C	22				523	285	33	
	74	D	30				514	240	34	
	75	D	20				516	254	36	
	76	D	80				522	235	26	
	77	D	15							
	78	D	20							
	79	E	25				520	256	33	
	80	E	25	⊙	⊙	109	116	248	28	
	81	E	25	⊙	⊙	107	113			
	82	E	25							
	83	E	30	○	△					
	84	E	50							
	85	E	30	⊙	○					
	86	E	65							
	87	E	55							
	88	E	20	⊙	○					
	89	E	30	⊙	○	116	124	276	26	272
	90	E	30	⊙	○	117	126			
	91	F	50					245	27	
	92	G	15					284	38	

5. Kindly replace Table 17 on page 73 with the following new Table 17 as follows:

[Table 17]

Copper Alloy		No. Type	Average Grain Diameter (μm)	Machinability				Tensile strength (N/mm <sup>2</sup> )	Yield strength (N/mm <sup>2</sup> )	Elongation (%)	Fatigue Strength (N/mm <sup>2</sup> )
				Cutting type		Cutting main stress (N)					
				80m/min	160m/min	80m/min	160m/min				
Comparative Example											
		201 A1	1500					435	170	36	156
		202 A1	600	⊙	△			433	174	34	254
		203 A1	220					440	188	32	176
		204 A1	350	⊙	△						
		205 A1	100	×	×		175	203			
		206 A1	400	□	×		130	152			
		207 A1	600	□	×		122	142			
		208 A1	600	×	×		173	201			
		209 A1	300	×	×		179	212			
		210 A1	400								
		211 A1	1200								
		212 A1	200	△	×		135	178			
		213 A1	250	×	×		205	226			
		214 A1	500								
		215 A1	1000	●	⊙		99	110	95	25	
		216 A1	1200	⊙	○		110	121	94	21	
		217 B1	450	△	△		128	147	558	15	
		218 B1	350	○	△		126	142	572	6	
		219 C1	300								
		220 C1	1000								
		221 C1	20								
		222 C1	600						184	23	
		223 C1	500					394	178	25	

6. Kindly replace Table 18 on page 74 with the following new Table 18 as follows:

Table 18

Copper Alloy		Average Grain Diameter (μm)	Machinability				Tensile Strength (N/mm <sup>2</sup> )	Yield Strength (N/mm <sup>2</sup> )	Elongation (%)	Fatigue Strength (N/mm <sup>2</sup> )
No.	Type		Cutting type		Cutting main stress (N)					
			80m/min	160m/min	80m/min	160m/min				
224	C1	400					441	194	30	
225	D1	2000					412	166	22	
226	D1	1200					232	80	22	
227	E1	90	x	x						
228	E1	1500					426	170	24	
229	E1	800								
230	E1	200	x	xx						
231	E1	400	△	□			430	174	25	
232	E1	350					438	188	26	
233	E1	350								
234	F1	2500					408	162	25	
235	G1	25	●	●	96	101	387	165	39	
236	G1	35	●	⊙	102	109	398	175	36	

Comparative Example